



Center for Shared Solutions

Enterprise Information Management (EIM)

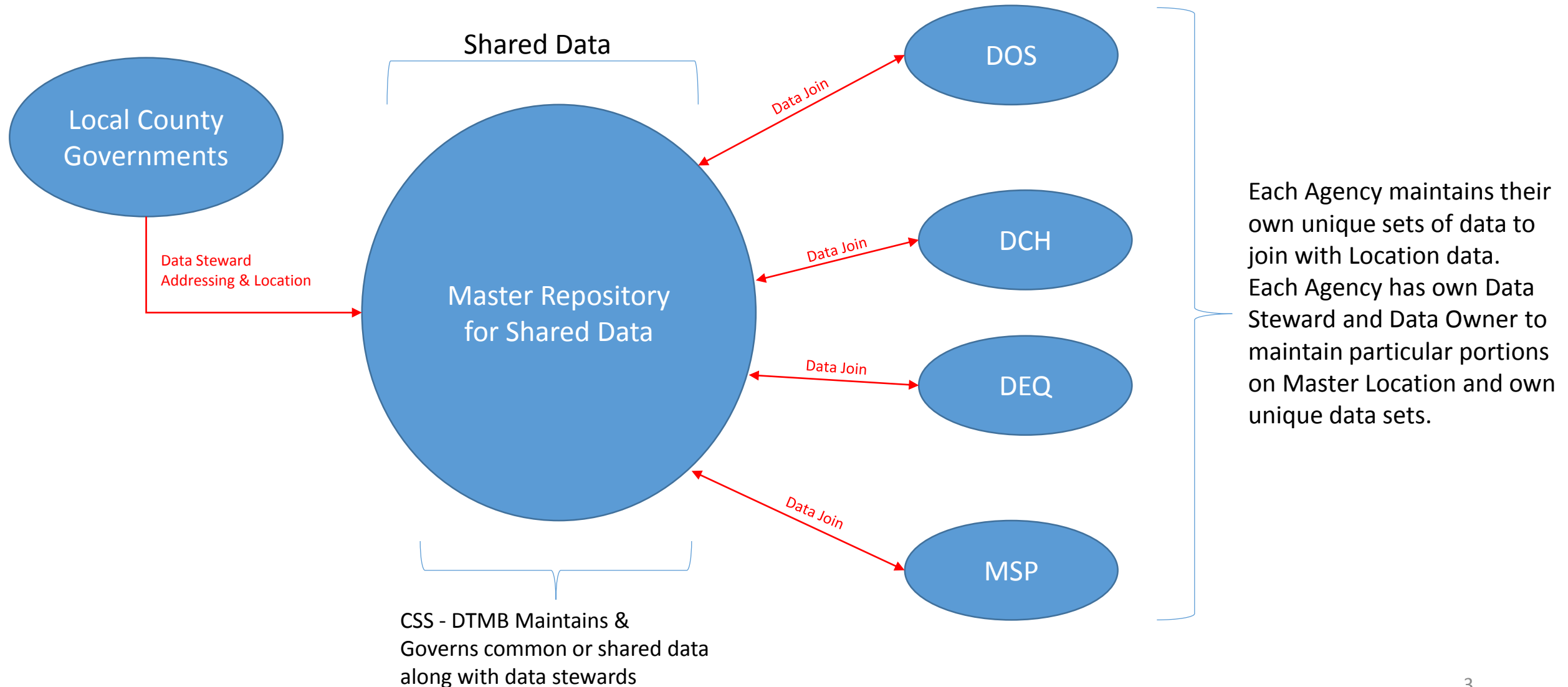
Location Domain

Executive Directive No. 2013-1

Data and Information Sharing, Management and Governance

- http://michigan.gov/documents/snyder/ED_2013-1_439597_7.pdf
- Establishes an Enterprise Information Management (EIM) program
- Improve service delivery and transparency
- All Executive Branch departments to participate
- Include cross-agency data sharing protocol
- Each department to establish a Chief Data Steward
- Incorporate an EIM strategy for successful cross-boundary collaboration with external partners of state departments

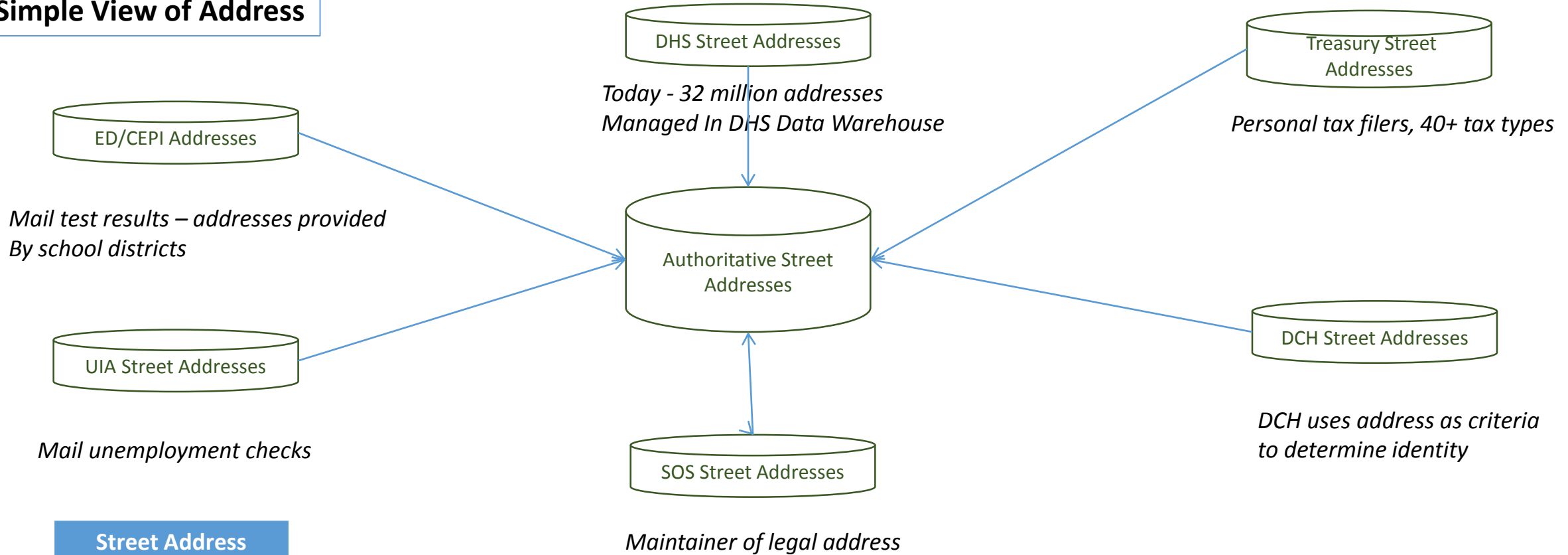
Enterprise Information Management Concept – State Government Level



Goal is to share Common Data that each Agency can use

- First common set of data identified by EIM Steering Committee is addresses/location.
- Locations have several meanings and usages by Agency.
- CSS is attempting to gather requirements by State Agency that would allow sharing of addresses/locations by Agency.
- CSS has identified that local governments may benefit from sharing of data as well and may want to participate in a Master Address Repository that will contain the cleanest and most up-to-date addresses.
- Looking to discover local government requirements needs for access and housing address information.

Simple View of Address



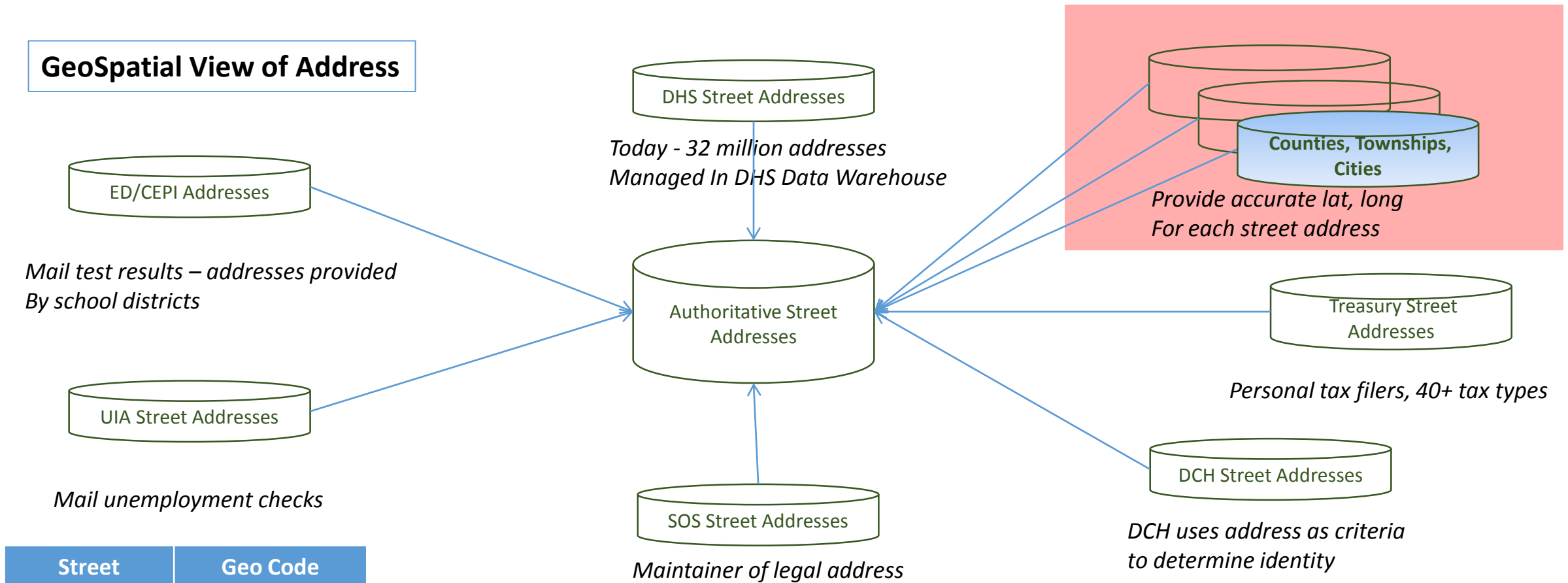
Common business problems

- Returned mail
- Address formatting cost
- Managing PO Box addresses

Governance Decision

- Who can modify “master” addresses?
- Who can add “master” address?
- Are there multiple trusted sources?
- Is additional information needed
- per address?

GeoSpatial View of Address



Street Address	Geo Code
111 S. Capital, Lansing, MI 48933	42.733377, - 84.553324

Common business problems

- Location of addresses within geographic boundaries
- Returned mail
- Address formatting cost
- Managing PO Box addresses

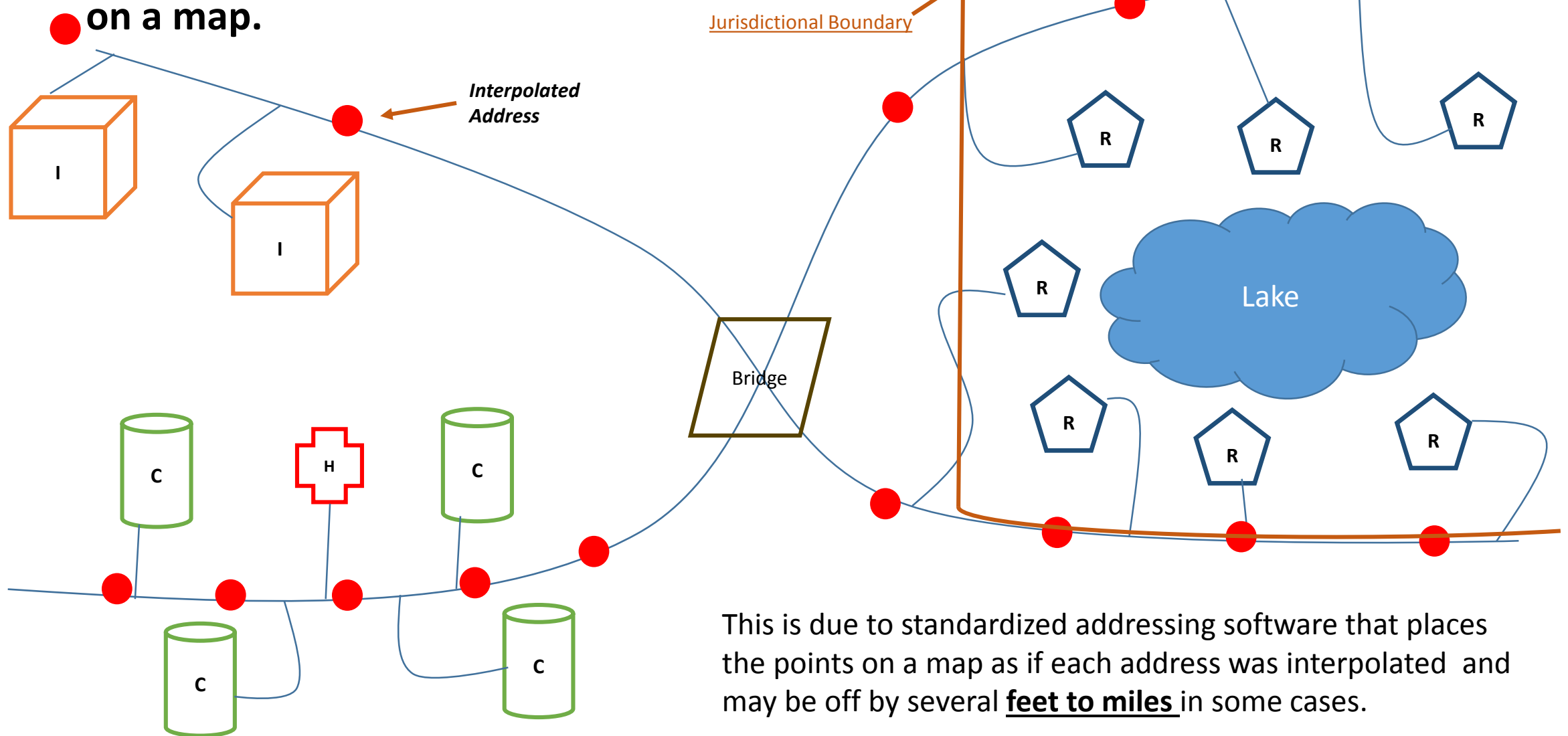
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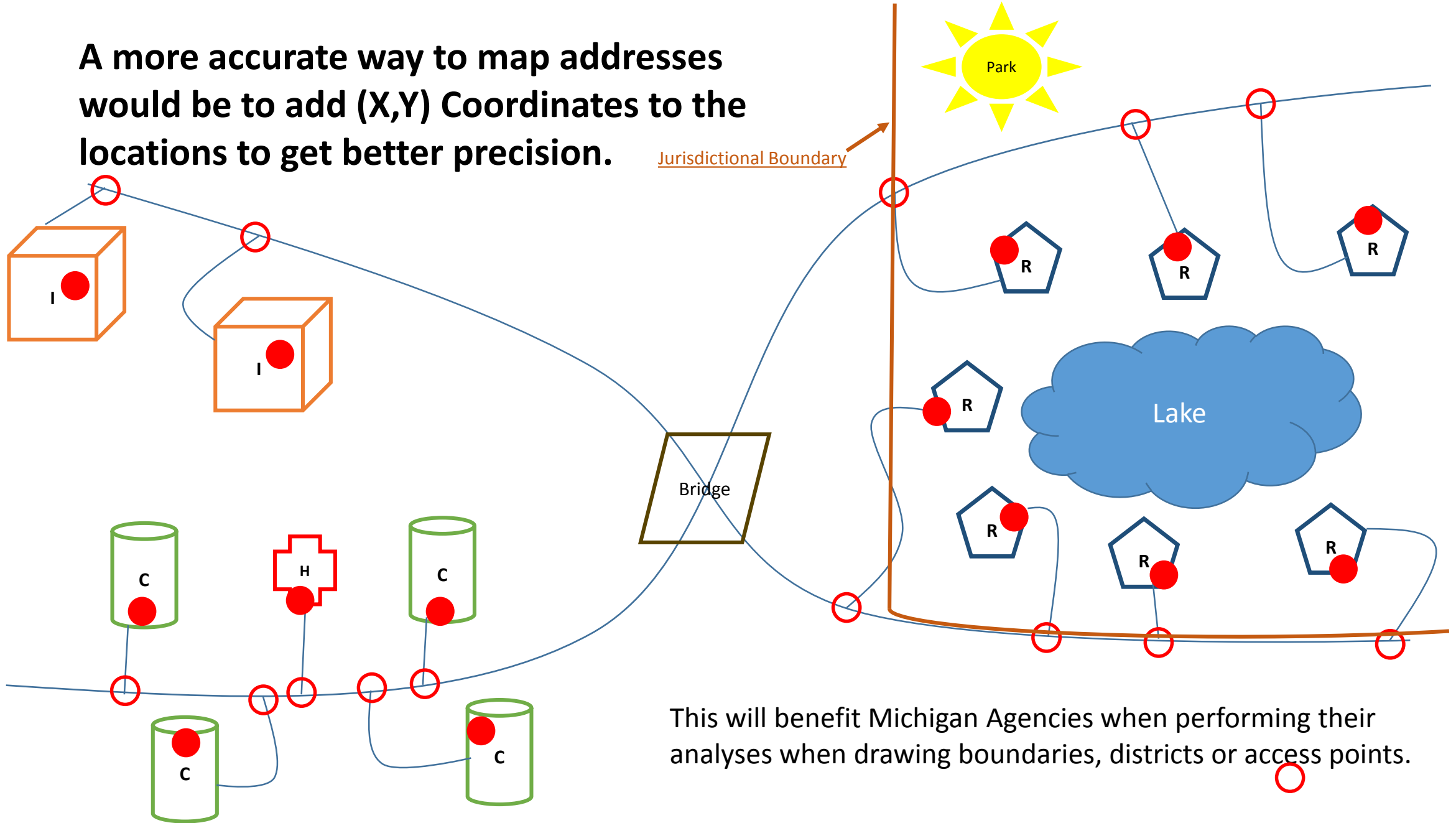
Benefits to local users

- Address cleansing, verification, geocoding
- CASS Certification
- Delivery point validation
- Structure point creation
- Structure point maintenance workflow
- Cross boundary standardization / sharing
- Improved accuracy for analysis
- Structure type identification for GIS layer development

Address Points Don't always correlate correctly to places when looking at points on a map.






A more accurate way to map addresses would be to add (X,Y) Coordinates to the locations to get better precision.

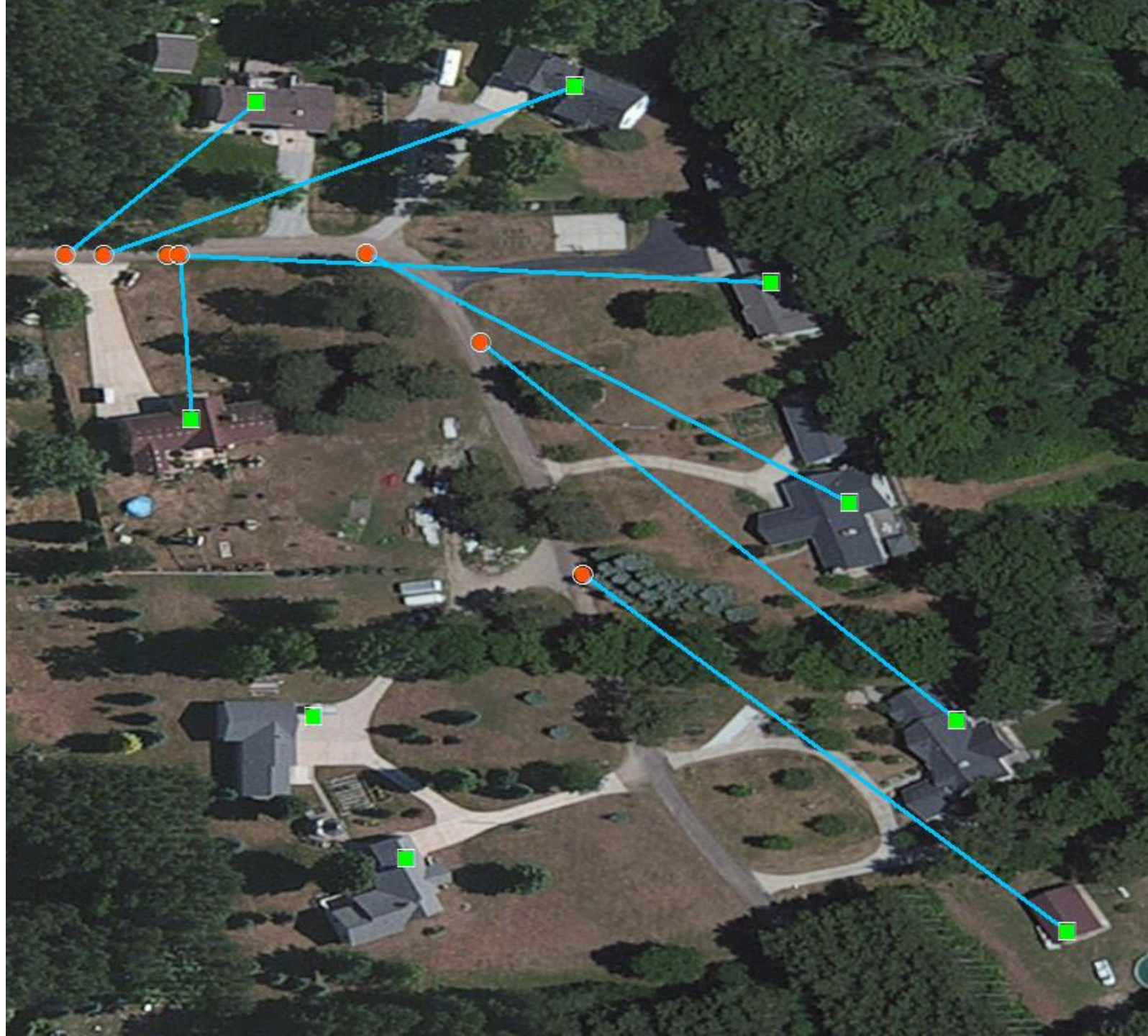


This will benefit Michigan Agencies when performing their analyses when drawing boundaries, districts or access points.

Barry County – Discrepancy Example

Key:

-  Local County Data Point
-  SAP Standardized Address Point
-  Difference in SAP and Local data point



What Address Mastering will Enable



Next Steps

- Identify Local Government Addressing Needs:
 - Survey to be sent out Mid-February to assess:
 - Addressing capabilities
 - How often updated
 - Coordinates added
 - Type of systems used to capture and maintain data
 - Volunteer data for quality assessment – Return SAP attributes
- EIM Steering Committee
 - Performing analysis on Agency address needs